## BRUHAT BANGALORE MAHANAGARA PALIKE, YALAHANKA ZONE

Executive Engineer
Byatarayanapura Division
B.B.M.P., Bangalore - 92

# DRAFT SCHEDULE-B

**Name of Work :Constructing Dry Waste Collection Center at Amruthnagara in Ward no 7, kodigehalli sub division.**

| Sl. No | Approved Quantity | Description | Unit | Sanctioned Rates | |
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| | | | | In Figures | In Words |
| 1 | 264.00 | Clear and grubbing road land including uprooting Rankvegitation grass, brush, shrubs, sapling and trees of girth upto 300mm by manual means in area of light jungle, removeal of strumps, disposal of unserviceble materials stacking of serviceable materials labour charges complete as per specification PWD SR 12-13 Page No. 144/Item No. 18.11 | sqm | 4.45 | |
| 2 | 191.57 | KSRB 2-2.1: Earthwork Eccavation for foundation of Buildings, culverts, water supply, Sanitary lines and electrical either in pits or in trenches 1.5m and above in width, in Ordinary soil not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of clods complete as per specification. Specification No. KBS 2.1(a)/2.3.5 PWD SR 12-13 Page No. 5, Item No. 2.3 | cum | 132.5 | |
| 3 | 72.00 | KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, tacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications.specification. No. KBS 2.1(b) / 2.3.5 PWD SR 12-13 Page No. 5 Iteme No. 2.4 | cum | 207.07 | |
| | | Extra for additional lift of 1.5 mtr to Sump Excavation | | | |
| | | Extra for additional lift of 1.5 mtr or Part there of for excavation in loose/soft or hard soil inlcuding cost of materials, labour complete as per specification PWD SR 12-13 Page No. 7, Item No, 2.21 | | | |
| 4 | 41.94 | Providing and laying in position plain cement concrete of mix M10 with OPC cement @220kgs, with 40mm Down Size geaded granite metal cousrse aggreegates @0.892 cum and fine aggreegates 0.465 cum machine mixed concrete laid in layers not exceeding 15cms thick well compacted in foundation and plinth including cost of all materials labour HOM of machinery, curing complete as per specifications for bed concrete PWD SR 12-13 Page No. 12, Item No. 4.2 | cum | 4053.44 | |
| 5 | 62.01 | KSRB 5.2-2 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:8, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, abour, curing complete as per specifications KBS 5.1.13 PWD SR 12-13 Page No. 25, Item No. 5.6 | cum | 2710.42 | |

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| 6 | 18.68 | **KSRB 5.3-2 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:8, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 cement mortar 1:6, edges of stones PWD SR 12-13 Page no. 26, Iteme No, 5.9** | cum | 3164.10 | |
| 7 | 34.75 | Providing and laying in position plain cement concrete of mix M15 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878cum and fine agreegates @0.459 cum machine mixed machine mixed concrete laid in layers not exceeding 15cms thick well compacted in foundation and plinth including cost of all materials labour HOM of machinery curing complete as per specifications (P. No. 12, Item No. 4.6) 2012-13 SR | cum | 4327.98 | |
| 8 | 152.55 | KSRB 2.3 : Filling available excavated earth ( excluding rock ) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications. PWD SR 12-13 Page No. 6, Item No. 2.10 | cum | 89.04 | |
| 9 | 363.00 | KSRB 15.1.5 Providing raised and cut pointing to coursed stone masonry with cement mortar 1:3, 20mm, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. PWD SR 12-13 Page No. 120 Item No,15.5 | sqm | 103.88 | |
| 10 | 168.36 | KSRB-3.2: Providing and injecting chemical emulsion for Pre-constructional Anti-Termite Treatment, creating continuous chemical barrier under and around the column pits, walls, trenches, basement excavation, top surface of the plinth filling, junction of wall and floor, along the external perimeter of building, expansion joints, over the top surface of consolidated earth on which apron is to be laid, surrounding of pipes and conduits, with chloropyriphos emulsifiable concentrates of 20% concentration, including cost of chemical, diluting in water to one percent concentration, labour, HOM of equipments, complete as per specifications. (Plinth area of the building at ground floor only shall be measured ) PWD SR12-13 Page No. 9, Item No, 3.2 | sqm | 100.45 | |
| 11 | 225.00 | Providing and Constructing thick Clay Hollow brick masonary of size 400x200x200mm in cement morotor 1:6 using horizontal perforated clay hallow brick with minimumm crushing strength of 35kg/Sqcm including scaffolding, curing etc., m, complete as directed at all levels as per the Standards and construction Methodology as mentioned in schedule of Rates (PWD 12-13 Page No. 292 Item No, 38.18.1) | sqm | 632.82 | |
| 12 | 21.64 | KSRB 6-2.2 : Providing and constructing burnt brick masonry with approved quality of non-modular bricks of standard size of class designation 50 (table moulded) with cement mortar 1:4 for basement and superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. Specification No. KBS 6.2 (page No. 30, Item No. 6.7 PWD SR 12-13 | cum | 5045.60 | |
| 13 | 32.73 | Providing & applying in Positionplan cement concrete of Mix M20 with cement @ 300kgs with 20mm & down sixe graded granite metal coarse aggreegates @0.64cum and fine aggreegates @0.43 cum with syperplastisiser @ 3 ltrs, confirming to IS 9103.-1999 Reaffirmed-2008, machine mixed concrete laid in layers not exceeding 15 cms thick well compacted in foundation, plinth and cills including cost of all materials, labours HoM of machinery curing complete as per specifications (PWD SR 12-13 Page No, 12, Item No, 4.5) | cum | 4846.32 | |

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| 14 | 32.73 | KSRB 4.9.2: Providing TMT. Steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and /or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design ( laps, hooks and wastage shall not be measured and paid) cost of materials, lobour, HOM of machinery complete as per specifications. (Page No. 19 item No.4.46) PWD SR 12-13 | Qtl | 7187.86 | |
| 15 | 80.18 | KSRB 4-6.9 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons. PWD SR 12-13 Page No. 14, Item No. 4.29 | sqm | 258.64 | |
| 16 | 148.00 | KSRB 4-6.9 :Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floor, cills, plinth including cost of all materials, labour complete as per specificaiton. Specification No. KBS 4.6.2 (Page No. 17, Item No. 4.36) PWD SR 12-13 | sqm | 555.44 | |
| 17 | 242.08 | KSRB 15.3.1Providing 12mm thick cement plaster in single coat withcement mortar 1:4 to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (page no. 120, Item No. 15.10) PWD SR 12-13 | sqm | 124.02 | |
| 18 | 209.76 | KSRB 15-15.1 : Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. Page No, 124, Item no. 15.51.1 PWD SR 12-13 | sqm | 57.24 | |
| 19 | 5.76 | KSRB 7.3 : Providing and fixing 1mm thick M.S. sheet garage door with frame and diagonal braces of size 40x40x6 mm angle Iron, 3.15mm thick M.S. Gusset plates at the junctions and corners, with handles, stoppers and locking arrangements etc., including applying a priming coat of red lead paint cost of materials, labour, HOM of machinery complete as per specifications.Double leaf door of size 2.4x2.4m (page No. 36, Item no. 7.3, PWD SR 12-13 | sqm | 2601.24 | |
| 20 | 11.52 | KSRB 15-17.6 : Providing and applying painting two coats ( excluding priming coat ) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications. PWD 12-13 P-126 Item No. 15.60 | sqm | 75.26 | |
| 21 | 31.20 | KSRB 14-17.1 : Providing skirting, dado, rises of steps with **white glazed tiles 6mm thick** on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface ( excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. PWD SR 12-13 P-115 I-14.40 | sqm | 779.10 | |
| 22 | 6.00 | Providing and fixing Special make glazed Vitrified tiles (Granomite finish) of approved make, quality and colour of size 600x600x10mm thick fixed on existing flooring with a special roffe adhesive for flooring and skirting etc., complete including providing spears at required interval and removing stains etc., complete. PWD SR 12-13 P-115, I-14.43 | sqm | 1190.38 | |

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| 23 | 1.00 | KSRB 11-1 : Providing and fixing white vitreous china clay, water closet Indian type ( Squatting pan ) of size 580mm with footrests, 100mm S or P trap, 10 litre low level, P.V.C flushing cistern ( all are approved make ) with fittings, C.I / M.S brackets, 32mm diameter flush pipe fittings and clamps, overflow arrangements with specials and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 PWD SR 12-13 P-78, I-12.1 | pan | 2802.64 | |
| 24 | 2.00 | KSRB 11-11.6 : Providing and fixing white vitreous china clay, angle back **wash basin size 600x480mm** with a single 15mm C.P brass pillar tap with C.I / M.S brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. PWD SR 12-13 P-2, I-12.28 | Unit | 2226.00 | |
| 25 | 1.00 | KSRB 13-11.1 : Providing and placing on terrace, polyethylene water storage tanks with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per specifications.(For 1000 litre capacity) PWD SR 12-13 P-102 I-13.78 | Nos | 6838.06 | |
| 26 | 60.00 | KSRB13-8.1 : Providing and fixing to wall, ceiling and floor, low density polyethylene pipes 6.00 kgf/sq.cm working pressure **25mm** outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. Specification No.KBS 13.2.15.1 / 13.9 (PWD SR-12-13 P--100, I-13.67 | mtr | 84.80 | |
| 27 | 50.00 | KSRB13-3.1: Providing and fixing in trenches galvanised / mild steel tubes (medium grade) **15mm dia** nominal bore with all fittings ( earth work in trenches to be measured and paid for separately ) including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. PWD SR-12-13, P-94, I-13.10 | mtr | 109.18 | |
| 28 | 50.00 | KSRB13-3.1: Providing and fixing in trenches galvanised / mild steel tubes (medium grade) 20**mm dia** nominal bore with all fittings ( earth work in trenches to be measured and paid for separately ) including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. PWD SR-12-13, P-94, I-13.11 | mtr | 137.80 | |
| 29 | 4.00 | Providing and fixing CI Nahani trap of approved make conforming to ISI specifications and construction of Cistern in CC 1:2:4 as per directions (Rate is inclusive of cost of materials and fixtures and conveyance of materials to work spot). for 10cms x 7.5cms PWD SR 12-13 P-91 Item no. 12.113.1 | Each | 233.20 | |
| 30 | 3.00 | Providing and laying flooring using prepolished, water cut/ gang saw19mm thick granite laid over existing floor in CM 1:4 at 20mm thick (average) and pointed with white / gey pigment etc., complete PWD SR 12-13 P-116, I-14.47 | sqm | 1708.72 | |
| 31 | 1.00 | Providing Supplying and Commissionining of 1 HP Submercible Monoblock Pump with Starter 15mm cable with necessary GI Fittings with Suction & Delivary Hose Pipes Including Necessary fittings Etc; Complete as per Specifications | Nos | 10000.00 | |
| 32 | 4.80 | Providing & fixing factory made PVC Door frame of size 50x47mm with a wall thickness of 5mm, made out of extruded 5mm rigid PVC foam sheet metered cut at corners & jointed 2 No.s of 150mm lo ng brackets of 15x15mm M.S Square tube, the entire door frame to be reinforced with 19x19mm M.S Square tube of 19 gauge. The door frame to be fixed to the wall using M.S. Screws of 65/80mm size complete as per manufacturers specification & direction of Engineer-in-charge. (PWD SR 12-13 P-62, Item No. 9.84 | sqm | 332.84 | |

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| 33 | 4.80 | Providing & fixing 30mm thick factory made rigid foam Prelam Panelled Door Shutters made from M.S. tube of 19x19mm, 19 gauge for styles and 15x15mm for top & bottom rails, covered with heat moulded Prelaminated PVC C Channel of 5mm thick sheet & 30x50mm wide to form styles & 5mm thick & 75mm wide Prelaminated PVC Sheets for top rail, lock rail & bottom rail on either side & 5mm thick, 20mm wide cross PVC sheet as gap insert for top rail & bottom rail, Panelling of 5mm thick PVC sheet Prelaminated on either side fitted in the M.S. frame, Sealed to the styles & rails with PVC Designer beading on either side & joined together with solvent cement adhesive etc., Complete as per manufacturers specification & direction of Engineer-in-charge fixed to frames with 3 nos of 75mm. Aluminium hinges. with one side prelam PWD SR 12-13 P-62 I-9.85.2 | sqm | 2622.44 | |
| 34 | 45.00 | Supplying and fixing M.S. Rectangular poles made out of 2 equal angles of 65x65x6 mm welded together and fixed in CC (1:2:4) WITH 2 NOS 16mm dia M.S. hold fast rods each of length 25 cms. Including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welded joints with all lead lifts and as per the directions of the Engineer- in - charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting ( excluding cost of earthwork and concrete) PWD SR 12-13 P-267, I-37.2 | mtr | 1037.74 | |
| 35 | 120.00 | Providing and fixing M.S. Block pipe of 38mm dia, of heavy guage of 14 including removing the bends, cutting the pipe, and fixing pipe in between the two verticle poles (M.S. rectangular poles) and spot welding the chain link with M.S. block pipe including cost of all materials wastage in cutting, and scaffolding wherever necessary with all lead and lift as directed by the Engineer-in-charge of work etc., complete including two coats of approved quality paint over one coat of shop paint. PWD SR 12-13 P-267 Item No.37.4 | mtr | 262.88 | |
| 36 | 82.50 | Providing chain link fencing 50mm size of 8 guage properly stretched between rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of the Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint (PWD SR 12-13 P-267 I-37.3 | sqm | 563.92 | |
| 37 | 234.00 | Providing and fixing ridges, hips with Tetra pack sheet roofing with GI., J of L hooks bolts and nuts 8mm dia GI plain and bitumen washers, Serrated or plaind wings adgustable ridges including cost of materials labour complete as per specifications Apporved Market Rate | sqm | 400.00 | |
| 38 | 500.00 | Fabricating, supplying & erecting M.S. angular Truss of span upto 10mm. The bottom & Top member is provided with 50x50x6mm dounle equal agles, welded back to back and in between top & bottom line in areas of mid section is provided with 50x50x6mm equal single angle for vertical and inclined members and at supporting ends40x40x5mm single angle is provided. All the members are welded together with 6mm gusset plate as per Drawing No. CBS/SD/K-Mantap/9/MND/97. The Entire truss in anchored in RCC Column by using 4 Nos. of MS anchor bolts at each support with 10mm thick base plate and shoe plate. the work includes cutting, Straightening, placing in Position of M.S angle and wleding wherever necessary and applying one coat of redoxide primer coat to all the members including cost of all materials, labour charges & hire charges of machinerise for cutting welding grinding & erection equipments etc., complete as per spesification (PWD SR 12-13 P-46, I-7.30) | Kgs | 119.78 | |
| 39 | 60.00 | KSRB 8.6-7 : Providing and fixing on wall surface **4.0 kg / sq.cm H.D.P.E. rain down water pipes110mm outer dia** approved make and brand with necessary specials like shoes, bends and offsets fixed with iron clamps, wall plugs, screws, including cost of materials, labour, complete as per specifications. (PWD SR 12-13 P-52, I-8.19 | Mtr | 466.40 | |
| 40 | 1.00 | Providing and fixing ductile Iron man hole covers, frames as per EN 124 standard Rectyangular cover with fram (Hinged) of size 450x600 mm of 30kgs Weight (PWD SR 12-13 Page No. XXXV) | Nos | 2597.00 | |

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| 4. | 2.00 | Providing and Supplying and Erecting Solar Street light system with mounting Structure & pole (MNRE Specification) Decription of Items 2x11 W CFL (Double luminaire with 1 CFL Each) PV Module: 120 W battery Capacity: 12V, 100AH As per Directorate General of Supplids & Dispisal Govt of India | Nos | 32280.95 | |
| 42 | 2.50 | KSRB 2-2.1 : Earthwork excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(a) / 2.3.5 PWD SR 12-13 P-5, I-2.3 | cum | 132.50 | |
| 43 | 0.38 | KSRB 4-1.1: Providing and laying in position plain cement concrete of mix M10 with OPC cement @220kgs, with 40mm Down Size geaded granite metal cousrse aggreegates @0.892 cum and fine aggreegates 0.465 cum machine mixed concrete laid in layers not exceeding 15cms thick well compacted in foundation and plinth including cost of all materials labour HOM of machinery, curing complete as per specifications for bed concrete Specification No. KBS 4.1, 4.2 (PWD SR 12-13 P-12, I-4.2 | cum | 4053.44 | |
| 44 | 0.94 | KSRB 6-2.2 : Providing and constructing burnt brick masonry with approved quality of non-modular bricks of standard size of **class designation 50 (table moulded) with cement mortar 1:4 for basement & Super Structure** and superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. Specification No. KBS 6.2 PWD SR 12-13 P-30, I-6.7 | cum | 5045.60 | |
| 45 | 0.29 | Providing & applying in Positionplan cement concrete of Mix M20 with cement @ 300kgs with 20mm & down sixe graded granite metal coarse aggreegates @0.64cum and fine aggreegates @0.43 cum with syperplastisiser @ 3 ltrs, confirming to IS 9103.-1999 Reaffirmed-2008, machine mixed concrete laid in layers not exceeding 15 cms thick well compacted in foundation, plinth and cills including cost of all materials, labours HoM of machinery curing complete as per specifications Specification No. KBS 4.1, 4.2 (PWD SR 12-13 P -12, I-4.5) | cum | 4846.32 | |
| 46 | 6.84 | KSRB 15.3.1Providing 12mm thick cement plaster in single coat with cement mortar 1:4 to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (PWD SR 12-13 PO-119, I-15.10) | sqm | 124.02 | |
| 47 | 3.00 | Providing and fixing Ductile Iron Man Hole Covers, Frames as per EN 124 Standard Rectyangular Cover with fram (Hinged) of size 450x600mm of 30kgs weight (PWD SR 12-13 P-xxxv Squar Tank Cover) | Nos | 2597.00 | |
| 48 | | Aggrigates | cum | | |
| | 0.11 | 40mm Nominal Size | cum | 600.00 | |
| | 0.11 | 20mm Nominal Size | cum | 850.00 | |

Executive Engineer
Byatarayanapura Division
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11/12/2013